

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072423\
 Data File : VU054852.D
 Acq On : 24 Jul 2023 11:47
 Operator : MD/SY
 Sample : VU0724WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0724WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/25/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 25 02:13:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Jul 24 09:59:15 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.113	96	27592	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	8600	1.032	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	9720	1.007	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	10195	1.857	ug/l	89
3) Chloromethane	1.518	50	11727	1.839	ug/l	98
4) Vinyl Chloride	1.602	62	15755	1.925	ug/l	96
5) Bromomethane	1.856	94	12398	2.134	ug/l	99
6) Chloroethane	1.933	64	14189	1.835	ug/l	100
7) Trichlorofluoromethane	2.136	101	38931	1.963	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.579	101	11953	2.103	ug/l	94
9) 1,1-Dichloroethene	2.576	96	9345	1.969	ug/l	95
10) Iodomethane	2.718	142	15310	2.002	ug/l	97
11) Allyl Chloride	2.920	41	11499	2.065	ug/l	96
12) Acrylonitrile	3.332	53	4692	4.063	ug/l	# 66
13) Acetone	2.647	43	11956	12.076	ug/l	88
14) Carbon Disulfide	2.788	76	16711	2.088	ug/l	100
15) Methylene Chloride	3.042	84	14910	1.656	ug/l	98
16) trans-1,2-Dichloroethene	3.351	96	10079	1.911	ug/l	# 84
17) 1,1-Dichloroethane	3.869	63	21895	1.962	ug/l	98
18) 2-Butanone	4.724	43	15829	10.929	ug/l	99
19) Cyclohexane	5.380	56	12695	1.964	ug/l	# 87
20) Methylcyclohexane	6.759	83	17808	2.075	ug/l	98
21) 2,2-Dichloropropane	4.660	77	20581	2.114	ug/l	99
22) cis-1,2-Dichloroethene	4.666	96	14644	2.193	ug/l	93
23) Diethyl Ether	2.377	59	14276	1.958	ug/l	96
24) tert-Butyl Alcohol	3.242	59	11519m	18.336	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	30369	2.097	ug/l	95
26) Bromochloromethane	4.972	128	5212	2.047	ug/l	91
27) Chloroform	5.084	83	25445	2.075	ug/l	99
28) 1,1,1-Trichloroethane	5.309	97	21310	2.067	ug/l	99
29) 1,1-Dichloropropene	5.525	75	15326	2.090	ug/l	100
30) Carbon Tetrachloride	5.521	117	17131	2.000	ug/l	99
31) Isopropyl Ether	3.991	45	34983	2.118	ug/l	99
32) Ethyl-t-butyl ether	4.496	59	32798	1.932	ug/l	94
33) Tert-Amyl methyl ether	5.936	73	33060	2.070	ug/l	98
34) Propionitrile	4.808	54	4987m	11.511	ug/l	
35) Benzene	5.772	78	49378	2.073	ug/l	97
36) 1,2-Dichloroethane	5.791	62	13873	2.027	ug/l	100
37) Trichloroethene	6.541	130	13961	2.168	ug/l	96
38) 1,2-Dichloropropane	6.788	63	13562	1.972	ug/l	97
39) Methacrylonitrile	4.984	41	3338	2.164	ug/l	# 79
40) Methyl acrylate	4.859	55	5693	2.163	ug/l	# 74
41) Tetrahydrofuran	5.071	42	4024m	4.415	ug/l	
42) 1-Chlorobutane	5.457	56	19382	1.954	ug/l	99
43) Dibromomethane	6.917	93	6476	2.024	ug/l	99
44) Bromodichloromethane	7.100	83	18324	2.091	ug/l	# 96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	38795	10.246	ug/l	95
46) t-1,4-Dichloro-2-butene	10.827	75	7564m	4.772	ug/l	
47) Methyl methacrylate	6.965	69	12647	4.208	ug/l	97
48) Ethyl methacrylate	8.332	69	12839	2.103	ug/l	88
49) Toluene	7.965	92	30861	2.030	ug/l	96
50) t-1,3-Dichloropropene	8.209	75	15695	2.020	ug/l	98
51) cis-1,3-Dichloropropene	7.605	75	19134	2.025	ug/l	96
52) 1,1,2-Trichloroethane	8.396	97	10166	2.106	ug/l	93
53) 1,3-Dichloropropane	8.573	76	16641	2.046	ug/l	94
54) 2-Hexanone	8.685	43	27517	10.424	ug/l	100
55) Dibromochloromethane	8.807	129	12104	2.099	ug/l	97
56) 1,2-Dibromoethane	8.920	107	8926	2.114	ug/l	98
58) Tetrachloroethene	8.550	164	11404	2.032	ug/l	96
59) Chlorobenzene	9.444	112	36751	2.028	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.531	131	13761	2.151	ug/l	98
61) Pentachloroethane	11.421	117	9986	1.983	ug/l	95
62) Hexachloroethane	12.470	117	10265	1.984	ug/l	98
63) Ethyl Benzene	9.566	91	62496	2.023	ug/l	93
64) m/p-Xylenes	9.688	106	46849	4.011	ug/l	100
65) o-Xylene	10.097	106	22659	1.926	ug/l	99
66) Styrene	10.113	104	38114	2.017	ug/l	98
67) Bromoform	10.286	173	6855	2.206	ug/l	89
69) Isopropylbenzene	10.479	105	64969	2.035	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.778	83	12221	2.030	ug/l	99
71) 1,2,3-Trichloropropane	10.820	75	9642m	2.273	ug/l	
72) Bromobenzene	10.778	156	15336	2.083	ug/l	98
73) n-propylbenzene	10.901	120	17412	2.030	ug/l	93
74) 2-Chlorotoluene	10.981	126	14752	1.976	ug/l	98
75) 1,3,5-Trimethylbenzene	11.084	105	52664	2.025	ug/l	99
76) 4-Chlorotoluene	11.093	126	16146	2.103	ug/l	95
77) tert-Butylbenzene	11.415	119	54163	2.023	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	52388	2.003	ug/l	98
79) sec-Butylbenzene	11.640	105	69611	2.003	ug/l	99
80) Nitrobenzene	13.212	77	1953	11.430	ug/l #	66
81) p-Isopropyltoluene	11.791	119	54672	1.932	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	29800	2.022	ug/l	98
83) 1,4-Dichlorobenzene	11.833	146	30139	2.039	ug/l	100
84) n-Butylbenzene	12.206	91	47806	1.836	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	28545	2.033	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.991	75	1463	1.970	ug/l	91
87) 1,2,4-Trichlorobenzene	13.836	180	18161	2.018	ug/l	95
88) Hexachlorobutadiene	14.016	225	9751	2.028	ug/l	98
89) Naphthalene	14.084	128	27839	1.912	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	15412	1.981	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

